

1/3/67

PROGRAM TRAINING AGENDA

FIRST DAY

INDOCTRINATION

1. System Familiarization

Ship System
Suit System

2. Test Equipment Familiarization

Chamber and Chamber Instrumentation

Altitude
Oxygen Consumption
Vent Supply
Temperature Recording
Heat Control

Medical Instrumentation

Rectal Probe
EKG Patches
Body Temperature Pickups

Test Procedure

Normal
Emergency

3. Suit Checkout (Bench Test)

4. First Chamber Run

Familiarization Flight
One and one-half hours at 26,000 feet

5. Briefing for nine and one-half hour run

USAF review(s)
completed.

SECOND DAY

1. Nine and One-Half Hour Run - (Heat per Graph Number 2)
 - 1.1 One and one-half hours at 26,000 feet.
 - 1.2 Ascend to high altitude for familiarization with the pressurized suit.
 - 1.3 Check back pressure of suit ventilation at 26,000 feet (prior to ascent). Check again at 35,000 feet.
 - 1.4 Remainder of run at 26,000 feet.

THIRD DAY

1. Indoctrination:

G. S. E.
Van Maintenance
Van Transport
Ventilator, Hand

Flight Mask
Recovery System
Parachute
Survival Kit

Helmet and Oxygen Mask Fit-up

2. Brief for high altitude and high temperature run of fourth day.

FOURTH DAY

High Altitude and High Temperature

Three and One-Half Hour Run - (approximately)

1. Full Ship System

- 1.1 One hour at 26,000 ft. (Heat per Graph Number 2)
- 1.2 One quarter hour at maximum altitude (Heat Graph Number 2)
- 1.3 One-half hour at 26,000 feet (Heat per Graph Number 2)
- 1.4 Rapid ascent to 55,000 feet. Hold for 5 minutes after wall temperature reaches 400°F. (Maximum heat all over box wall - 400°F.) Vent OFF.
- 1.5 Descent at 10,000 feet per minute to 26,000 feet. (all heat off for reset of run) Vent ON.
- 1.6 At 26,000 feet send in Emergency Oxygen System.
- 1.7 Rapid ascent to 60,000 feet. Ship Oxygen Supply OFF. Emergency Oxygen ON. Vent ON.
- 1.8 When Emergency Oxygen gauges show 300 psi (Highest System) start descent to ground level.

2. Brief for eight and one-half hour run.

FIFTH DAY

Eight and One-Half Hour Run:

- 1.1 Four and one-quarter hours at 26,000 feet. (Heat per Graph Number 2) - Full Ship System
- 1.2 Four and one-quarter hours at 26,000 feet (Heat per Graph Number 2) One-Half Ship Oxygen System, using whichever system has depleted faster.

Summary of Indoctrination